

Substitute for Forms PTO-1449 and PTO/SB/08

U.S. PATENT AND TRADEMARK OFFICE

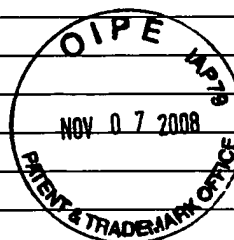
INFORMATION DISCLOSURE STATEMENT

(Use as many sheets as necessary)

Application No.	09/814,607
Filing Date	March 22, 2001
First Named Inventor	Rick V. Murakami
Art Unit	2131
Examiner Name	Aravind K. Moorthy
Attorney Docket No.	36360/1.14

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication/ Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (If known)			
	A1	US-2001/0033220 A1	10-25-2001	Stone et al.	
	A2	US-6,219,639 B1	04-17-2001	Bakis et al.	
	A3	US-6,496,595 B1	12-17-2002	Puchek et al.	
	A4	US-6,816,605 B2	11-09-2004	Rowe et al.	
	A5	US-6,920,231 B2	07-19-2005	Griffin	
	A6	US-7,188,362 B2	03-06-2007	Brandys	
	A7	US-5,172,698	12-22-1992	Stanko	
	A8	US-5,586,171	12-17-1996	McAllister et al.	
	A9	US-6,483,929 B1	11-19-2002	Murakami et al.	
	A10	US-4,582,985	04-15-1986	Lofberg	
	A11	US-4,614,861	09-30-1986	Pavlov et al.	
	A12	US-5,180,901	01-19-1993	Hiramatsu	
	A13	US-5,623,552	04-22-1997	Lane	
	A14	US-6,088,585	07-11-2000	Schmitt et al.	
	A15	US-5,704,352	01-06-1998	Tremblay et al.	
	A16	US-5,789,733	08-04-1998	Jachimowicz et al.	
	A17	US-5,872,834	02-16-1999	Teitelbaum	
	A18	US-4,109,237	08-22-1978	Hill	
	A19	US-7,133,792 B2	11-07-2006	Murakami et al.	
	A20	US-4,846,190	07-11-1989	John	
	A21	US-5,456,256	10/10/1995	Schneider et al.	
	A22	US-5,982,914	11/09/1999	Lee et al.	
	A23	US-6,266,566 B1	07/24/2001	Nichols et al.	
	A24	US-5,526,808	06/18/1996	Kaminsky	



FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³ ✓
		Country Code ¹ Number ² Kind Code (if known)				
	B1	JP Sho 60-126787	07-06-1985			
	B2	JP Sho 63-313288	12-21-1988			
	B3	JP Sho 63-53099	03-07-1988			
	B4	JP Hei 1-175362	12-13-1989			
	B5	JP Hei 4-24889	01-28-1992			
	B6	JP Sho 63-120385	05-24-1988			

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Enter Office that issued the document, by two-letter code (WIPO Std. ST.3). ²For Japanese patent documents, the year of the reign of the Emperor must precede the serial number of the document. ³Place a check mark here if English language translation is attached or "Abs." if English language abstract is attached.

Substitute for Forms PTO-1449 and PTO/SB/08

U.S. PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

(Use as many sheets as necessary)

Application No.	09/814,607
Filing Date	March 22, 2001
First Named Inventor	Rick V. Murakami
Art Unit	2131
Examiner Name	Aravind K. Moorthy
Attorney Docket No.	36360/1.14

	B7	JP Sho 63-20583	01-28-1988		
	B8	JP Sho 61-175865	08-07-1986		
	B9	PCT WO 88/04153	06-16-1988		
	B10	PCT WO 98/37519	08-27-1998		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. For web pages and online documents, include author or site publisher (in CAPS), title of document, web page address (URL), date published (if known), "visited" date, pages.	T ³ ✓
	C1	BIEL, LENA et al., "ECG Analysis: A New Approach in Human Identification," IMTC/99. Proc. of the 16th IEEE Instrumentation and Measurement Technology Conf., vol. 1, 1999, pgs. 557-561.	
	C2	Office Action for Serial No. 09/815,885 filed March 23, 2001, mailed from the USPTO on March 17, 2008, 12 pgs.	
	C3	Office Action for Serial No. 10/300,659 filed November 19, 2002, mailed from the USPTO on December 27, 2007, 15 pgs.	
	C4	Office Action for Serial No. 09/758,836 filed January 10, 2001, mailed from the USPTO on April 17, 2007, 12 pgs.	
	C5	Office Action for Serial No. 09/758,836 filed January 10, 2001, mailed from the USPTO on July 23, 2008, 16 pgs.	
	C6	KACHIGAN, SAM KASH, "Multivariate Statistical Analysis," Radius Press, 1991, 1986, 1982, 4 pgs.	
	C7	HAYES, MATTHEW J., et al., "Quantitative Evaluation of Photoplethysmographic Artefact Reduction for Pulse Oximetry," Optical Engineering Group, Department of Electrical and Electronic Engineering, Loughborough University, Loughborough, Leicestershire, LE11 3TU, UK, SPIE Vol. 3570, 1 September 1998, 14 pgs.	
	C8	SCHOLZ, UDO, J., "Multivariate Spectral Analysis of the Beat-to-Beat Sampled Cortical NIRS-Signals and the Heart Rate Variability," Department of Neurology, Charite, Humboldt University, Berlin, Germany, SPIE Vol. 3566, September 1998, 6 pgs.	
	C9	HOEKSEL, S.A., et al., "Detection of Diastolic Notch in Arterial Pressure Signals," Department of Anesthesiology, Cardiovascular Research Institute Maastricht, Maastricht University, The Netherlands, www.medscape.com , 1997, 1 pg.	
	C10	CYSEWSKA-SOBUSIAK, ANNA, "Noninvasive Monitoring of Arterial Blood Oxygenation with Spectrophotometric Technique," Institute of Electronics and Communications, Technical University of Poznan, Piotrowo 3a, PL-60-965 Poznan, Poland, SPIE Vol. 1711, 1992, 14 pgs.	
	C11	"Artificial Pacemaker," Wikipedia, the free encyclopedia, 3 pgs.	
	C12	"Type: Rate-Responsive Pacing Systems," Medtronic, 1 pg.	
	C13	LEICHTER, I., et al., "Effect of Age and Sex on Bone Density, Bone Mineral Content and Cortical Index," Energy Citations Database (ECD) – Energy and Energy-Related Bibliographic Citations, May 1, 1981, 2 pgs.	
	C14	MILLER, PAUL D., M.D., "Increased Age Is a Risk Factor," "Assessing Fracture Risk: Which Factors Are Clinically Most Important?" 4 pgs.	
	C15	SMITH, SL, "Attribution of Hand Bones to Sex and Population Groups," Journal of Forensic Sciences, Vol. 41, Issue 3, www.astm.org/cgi-bin/SoftCart.exe/JOURNALS/FORENSIC/PAGES/JFS41396046 , May 1996, printed 1/14/2007, 1 pg.	

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Enter Office that issued the document, by two-letter code (WIPO Std. ST.3). ²For Japanese patent documents, the year of the reign of the Emperor must precede the serial number of the document. ³Place a check mark here if English language translation is attached or "Abs." if English language abstract is attached.